Response of
Wisconsin Power and Light Company
to
The Public Service Commission of Wisconsin
Data Request No. 3.15

Public Service Commission of Wisconsin
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Docket Number:	05-CE-137
Date of Request:	March 11, 2009
Information Requested By:	Ken Detmer
Date Responded:	April 1, 2009
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Witness: (If other than Author)	

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Follow-up to the March 3, 2009, Progress Report in docket 6680-CE-162: What is the Economic Maximum load for Edgewater 3 with the SNCR/RRI in operation? Provide emission levels obtained with SNCR/RRI in service and discussion if these levels will be improved or maintained. Provide chemical injection rates and associated costs and the increase in projected O&M costs.

Response:

As of this writing a maximum load test has yet to be run on Edgewater 3 with the SNCR system in service. Additionally, due to the limited dispatch of this unit, a baseline for NOx emissions at the reduced level has not been established. The un-weighted average monthly NOx rate for the month of February was.157 lb/MMBtu, but a long term NOx average over a variety of load ranges has not been established. Until this unit is consistently dispatched at high MW load levels and a pattern of NOx reduction is established, WPL believes it is premature to assess whether or not the NOx levels achieved in February will be sustained or improved.

The graph listed below shows the median gallon per minute injection rates for urea across the MW loads that were experienced in February.

The estimate for urea usage developed in Q4, 2008 was factored upon an annual unit capacity factor of [redacted]% and a urea price of $[redacted] per gallon. Taking these variables into consideration it is estimated that the full year urea cost for this unit would be $[redacted]